



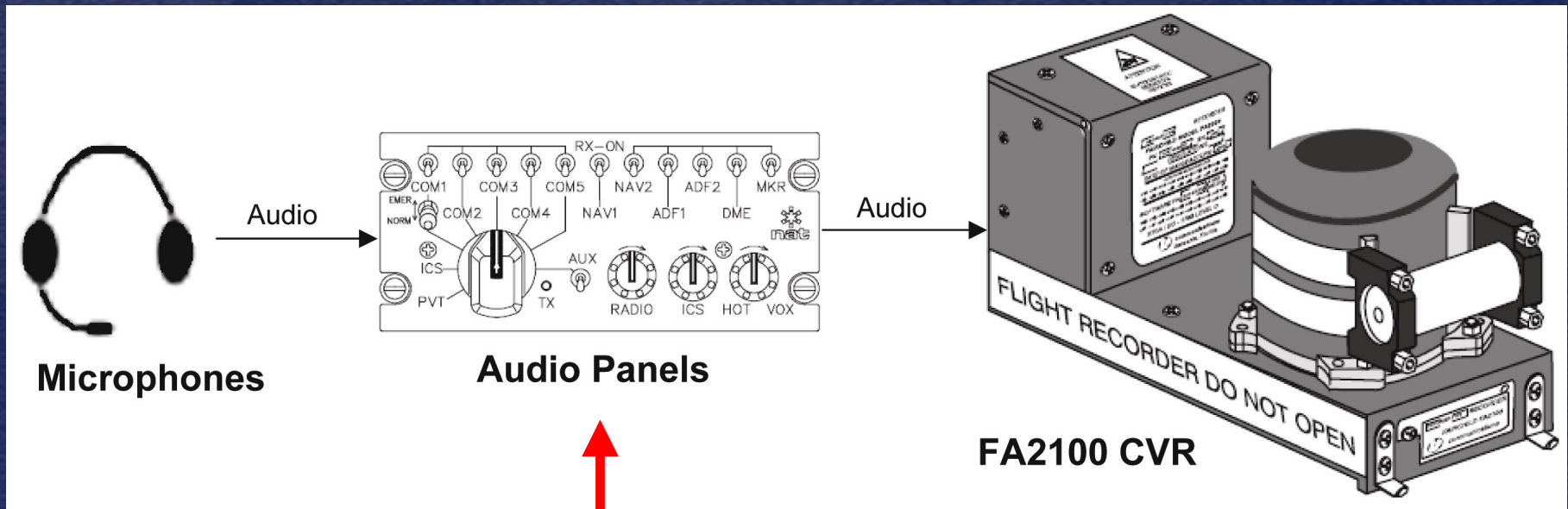
NTSB National Transportation Safety Board

Office of Research and Engineering

Preflight Testing and Maintenance Checks for Cockpit Voice Recorders



CVR System



Problem during installation

CVR Audio

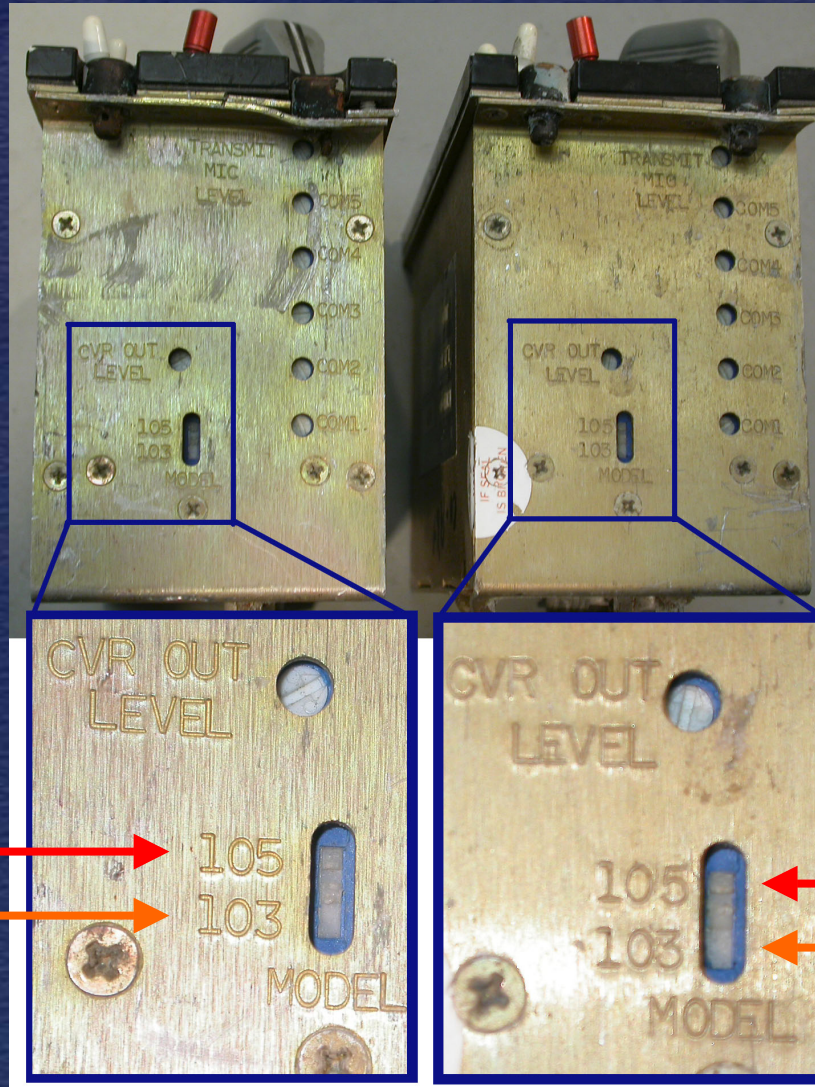
- Four audio channels
 - Cockpit area microphone (CAM)
 - Pilot audio panel
 - Copilot audio panel
 - Audio panel for third crewmember
- No Federal requirement for fourth channel (for two-pilot aircraft)

Accident Helicopter CVR

- Pilot and copilot CVR channels did not contain any audio
- Audio from CAM was poor

N579EH CVR System Installation

Side view
of pilot
audio
panel



Side view
of copilot
audio
panel

105 position
103 position

105 position
103 position

Critical CVR System Checks

- CVR readout
 - Would have detected problem with helicopter CVR installation
 - Can be performed during periodic maintenance
- Audio check
 - Performed before first flight of day